

**List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 5 (Cancelled)

6. (Currently Amended) A pressure measuring unit, comprising:  
a metal housing; and  
a ceramic pressure sensor held in said metal housing, wherein:  
the surfaces of said metal housing which come in contact with a process medium, whose pressure is to be measured, during measurement, are provided with a coating of one of: enamel and a glassy material.

7. (Currently Amended) The pressure measuring unit as claimed in claim 6, wherein:  
said housing is a flange to be secured at a measuring location;  
said ceramic pressure sensor is installed in said flange; and  
surfaces of said flange which come in contact with the process medium are provided with said coating.

8. (Currently Amended) The pressure measuring unit as claimed in claim 6, wherein:  
said housing has a process connection, and  
surfaces of said process connection which come in contact with the process medium at a measurement location are provided with said coating.

9. (Currently Amended) The pressure measuring unit as claimed in claim 7, wherein:  
the pressure sensor is a differential pressure measuring cell;  
said housing has two side flanges, between which said ceramic pressure sensor is clamped; and  
surfaces of said side flanges which come in contact with the process medium at

the measurement location are provided with said coating.

10. (Previously presented) The pressure measuring unit as claimed in claim 6, wherein:

said housing comprises steel or stainless steel.